IN THE CLAIMS:

Claims 1-2 (Canceled)

3. (Previously Presented) The method of claim 12 wherein the scaling factor is a scaling matrix.

4. (Previously Presented) The method of claim 12 wherein the new available data of the signals is based on any length.

5. (Previously Presented) The method of claim 12 wherein the new available data of the signals is a frame.

6. (Previously Presented) The method of claim 12 wherein the new available data of the signals is an utterance.

7. (Previously Presented) The method of claim 12 wherein the new available data of the signals is a fixed time period.

8. (Previously Presented) The method of claim 12 wherein the new available data is every 10 minutes of a speech signal.

9. (Previously Presented) The correction of claim 12 wherein the correction is the product of any sequence whose limit is zero, whose summation is infinity and whose square summation is not infinity and a summation of quantities weighted by a probability.

10. (Previously Presented) The method of claim 3 wherein the scaling matrix is a diagonal.

11. (Previously Presented) The method of claim 12 wherein the scaling factor is in exponential form.

12.   (Currently Amended) A method of updating a model for speech recognition, comprising:

adjusting a covariance associated with the model by a scaling factor to provide an adjusted variance;

updating the scaling factor based on a speech signal to be recognized, wherein the speech signal is to be recognized using the model;

updating the scaling factor each time new data of the speech signal is available;

calculating a new scaling factor by adding a correction item to a previous scaling factor; and

updating the model using the adjusted covariance, wherein each step of the method is perform by a speech recognition system.